FLUKE®

# Fluke i30
## AC/DC Current Clamp

### Technical Data

The i30 current clamp is based on Hall effect technology for use in measurement of both dc and ac current. The i30 may be used in conjunction with multimeters, recorders and other suitable recording instruments for accurate non-intrusive current measurement.

### Electrical specifications

**Specified current range:** 30 mA to 30 A DC, 30 mA to 20 A AC rms
**Usable current range:** 5 mA to 30 A DC, 30 mA to 20 A AC rms
**Crest factor:** 1.4
**Output sensitivity:** 100 mV/A
**Accuracy (at +25 °C):** ± 1 % of reading ± 2 mA
**Resolution:** ± 1 mA
**Load impedance:** > 10 k Ohms and ≤ 100 pF
**Conductor position sensitivity:** ± 1 % relative to center reading
**Frequency range:** DC to 20 kHz (- 0.5 dB)
**Temperature coefficient:** ± 0.01 % of reading/°C
**Power supply:** 9 V Alkaline, MN1604/PP3, 30 hours, low battery indicator
**Working voltage (see Safety Standards section):** 300 V ac rms or dc

### General specifications

**Maximum conductor size:** 19 mm (.748 in) diameter
**Output connection:** 4 mm (.157 in) safety connector
**Output zero:** Manual adjust via thumbwheel
**Cable length:** 1.5 m (4.91 ft)
**Operating temperature range:** 0 °C to +50 °C (-32 °F to 122 °F)
**Storage temperature range (with battery removed):** -20 °C to +85 °C (-4 °F to 185 °F)
**Operating humidity:** 15 % to 85 % (non-condensing)
**Weight:** 250 g (.55 lb)

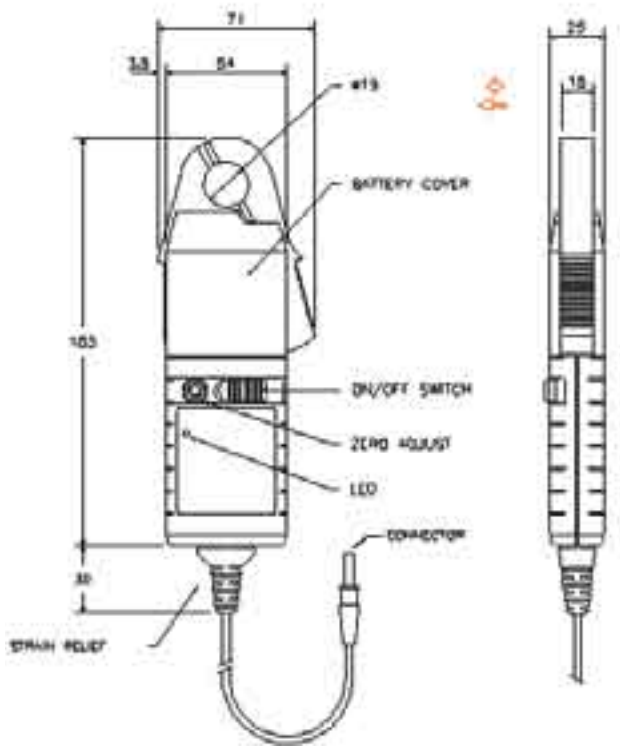
**Safety standards**
BS EN 61010-1: 2001
BS EN 61010-2-032: 2002
BS EN 61010-031: 2002

300 Vrms, Category III, Pollution Degree 2

Use of the probe on uninsulated conductors is limited to 300 V acrms or dc and frequencies below 1 kHz.

**EMC Standards**
EN 61326: 1998 +A1, A2, & A3

**Dimensions (HxWxD)**
183 mm x 71 mm x 25 mm (7.2 in x 2.8 in x 1 in)




**Ordering information**
i30 AC/DC Current Clamp

i30 connected to a Fluke 87V Digital Multimeter.

**Fluke.** *Keeping your world up and running.*

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